

Release notes for ENDF/B Development e-077_Ir_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabeled emitted particle
Reading ENDF file: ../e-077_Ir_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Ir + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Ir [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Ir [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Ir + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Ir [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Ir1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 76314. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Ir2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13396. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Ir2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 12859. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Ir2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 11214. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Ir3s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3145.7 eV!
9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Ir3p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2900.2 eV!
10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Ir3p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2539. eV!
11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Ir3d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2123.2 eV!
12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Ir3d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2044.8 eV!
13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Ir4s1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 675.3200000000001 eV!
14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Ir4p1/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 570.35 eV!
15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Ir4p3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 484.55 eV!
16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Ir4d3/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 310.52 eV!
17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Ir4d5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 294.58 eV!
18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Ir4f5/2$ / Cross section: (Error # 0): Threshold mismatch
- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 71.33 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Ir4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 68.06 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Ir5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 99.14 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Ir5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 65.68000000000001 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Ir5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 51.66 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Ir5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7.99 eV!

24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Ir5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6.79 eV!

• `xsectplotter` Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]